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ing of the twelve faces in this particular specimen ; since, as I have explained there are only *six* regions, the north, west, south, east, upper and lower, that the midmost is at once surrounded by and contains within, itself. But I failed to say earlier and in the proper connection, that to the primitive-minded man, as there is no form without life, so there is no life-form, without due duality of origin—the father and the mother. Consequently we find that in relation to all things, (with tribes of primitive peoples like the Zuñis of to-day, and like the mound builders of long ago, who possessed and revered this object), the sexenary division is duplicated ; but since there can be only one middle or content, the sexenary division is with them symbolized by the number seven, and when duplicated, we have, not fourteen, but thirteen ; that is, six pairs which are visible, but only one for the concentric or synthetic middle, since there can be but one actual centre or middle to anything, even to the great world.

[Mr. Cushing stated, when a fuller revision of these notes was requested, that he would, at some future time, if the Society so desired, present instead a more comprehensive address on Shamanism in general.]

Stated Meeting, May 7, 1897.

The President, Mr. FRALEY, in the Chair, assisted by Vice-President, Dr. PEPPER.

Present, 68 members and about 100 visitors.

The Secretary presented the following correspondence :

A letter from Prof. James Glaisher, dated South Croydon, March 16, 1897, accepting membership.

A letter from the President announcing the appointment of the following members to prepare obituary notices of deceased members, viz.:

Dr. J. Cheston Morris, for Dr. Henry Hartshorne and
Prof. H. D. Gregory.

Prof. Albert H. Smyth, for Prof. George Stuart.

Mr. Joseph C. Fraley, for Mr. Arthur Biddle.

Letters from Dr. J. Cheston Morris and Mr. Joseph C. Fraley, accepting their appointment as above.

A letter from Mr. Franklin Platt, resigning from the Special Committee of Geologists appointed April 2 to report on the rock specimens in the possession of the Society.

Dr. Pepper, on behalf of a number of members of the Society, presented an oil portrait of the late Prof. E. D. Cope.

On motion of Mr. Joseph C. Fraley, the gift was accepted and the thanks of the Society were given to the donors.

The Committee on the Phillips Prize Essay Fund reported the accompanying circular letter, announcing the proposed award of a prize.

PHILADELPHIA, 104 SOUTH FIFTH STREET, April 5, 1897.

The American Philosophical Society held at Philadelphia for Promoting Useful Knowledge has the honor to announce that an award of the Henry M. Phillips Prize will be made during the year 1899; essays for the same to be in the possession of the Society before the first day of May, 1899. The subject upon which essays are to be furnished by competitors is:

"The development of the law, as illustrated by the decisions relating to the police power of the State."

The essay shall not contain more than one hundred thousand words, excluding notes. Such notes, if any, should be kept separate as an Appendix.

The Prize for the crowned essay will be two thousand dollars lawful gold coin of the United States, to be paid as soon as may be after the award. The Society invites attention to the regulations governing said prize, which accompany this circular.

WILLIAM V. MCKEAN,	}	<i>Committee on the Henry M. Phillips Prize Essay Fund.</i>
CRAIG BIDDLE,		
MAYER SULZBERGER,		
C. STUART PATTERSON,		
JOSEPH C. FRALEY,		
AND		
FREDERICK FRALEY,	}	<i>Ex-officiis,</i>
<i>President of the Society,</i>		
J. SERGEANT PRICE,		
<i>Treasurer of the Society,</i>		

The essays must be sent, addressed to Frederick Fraley, President of the American Philosophical Society, No. 104 South Fifth street, Philadelphia.

THE HENRY M. PHILLIPS PRIZE ESSAY FUND.

Miss Emily Phillips, of Philadelphia, a sister of the Hon. Henry M. Phillips, deceased, presented to the American Philosophical Society held at Philadelphia for Promoting Useful Knowledge the sum of five thousand dollars for the establishment and endowment of a Prize Fund, in memory of her deceased brother, who was an honored member of the Society. The Society accepted the gift and agreed to make suitable rules and regulations to carry out the wishes of the donor, and to discharge the duties confided to it. In furtherance whereof, among other rules and regulations adopted by the Society, are the following :

Competitors for the prize shall affix to their essays some motto or name (not the proper name of the author, however), and when the essay is forwarded to the Society it shall be accompanied by a sealed envelope, containing within, the proper name of the author, and, on the outside thereof, the motto or name adopted for the essay.

At a stated meeting of the Society, in pursuance of the advertisement, all essays received up to that time shall be referred to a Committee of Judges, to consist of five persons, who shall be selected by the Society from nomination of ten persons made by the Standing Committee on the Henry M. Phillips Prize Essay Fund.

Essays may be written in English, French, German, Dutch, Italian, Spanish or Latin ; but, if in any language except English, must be accompanied by an English translation of the same.

No treatise or essay shall be entitled to compete for the prize that has been already published or printed, or for which the author has received already any prize, profit, or honor, of any nature whatsoever.

All essays must be *clearly* and *legibly* written or printed on one side of the paper only.

The literary property of such essays shall be in their authors, subject to the right of the Society to publish the crowned essay in its *Transactions* or *Proceedings*.

The Special Committee on Rock Specimens presented a report, recommending that all the specimens which have no labels, or designations by which they can be recognized, and which are not of value for other special reasons, be thrown away. Also that all specimens which can be recognized as to their locality, and are of any scientific value, be deposited in the collection of some institution, subject to recall, and a receipt taken therefor. The report was accepted, and the recommendation adopted.

Announcement was made of the decease of the following members :

Prof. Edson S. Bastin, on April 6, 1897, æt. 53.

Prof. Edward D. Cope, at Philadelphia, on April 12, 1897, æt. 56.

Dr. Traill Green, at Easton, Pa., on April 29, 1897, æt. 83.

Mr. George W. Biddle, at Philadelphia, on April 29, 1897, æt. 79.

The President was requested to appoint members to prepare biographical notices of Prof. Cope and Mr. Biddle.

The following papers were presented :

“ Australian Rock Carvings,” by R. H. Mathews.

“ On the Transitive Substitution Groups that are simply Isomorphic to the Symmetric or the Alternating Group of Degree Six,” by G. A. Miller, Ph.D.

Dr. Hays moved that after the presentation of Sir Archibald Geikie's communication, the meeting adjourn to reconvene on Thursday evening, May 13, at 8 o'clock. Adopted.

Sir Archibald Geikie then presented a verbal communication on “ Recent Geological Work in the Hebrides and Faroe Isles,” for which the best thanks of the Society were voted to him.

The meeting was then adjourned by the President, pursuant to the resolution previously adopted.

AUSTRALIAN ROCK CARVINGS.

(Plate IV.)

BY R. H. MATHEWS, L.S.

(*Read May 7, 1897.*)

At a meeting of the Royal Society of New South Wales, held on the 1st of August, 1894, I read a paper on “ The Aboriginal Rock Carvings and Paintings ” in that colony, for which I was awarded the Society's medal.¹ I also contributed papers on the same subject to the Anthropological Institute of Great Britain,² the Royal Society

¹ *Jour. Roy. Soc. N. S. Wales*, xxviii, 329, 330.

² *Jour. Anthropol. Inst.*, London, xxv, 145, 163.